Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



U. S. Department of Agriculture - Forest Service CENTRAL STATES FOREST EXPERIMENT STATION

Technical Note 39.

VOLUME TABLE 1/
for
CHESTNUT OAK
(Quercus montana)

Monroe, Muskingum, Pike, Ross, and Washington Counties, Chio

November 1, 1941

	•	0 -	•	•	0		
	Stem to a Variable Top Diameter				INTERNATIONAL Rule $(\frac{1}{4}$ Kerf)		
Diameter	Gross volume of stem					Top d.i.b.	Basis
breast high		-foot lo	gs to mero	CHARLES OF THE PARTY OF THE PAR		at	in
outside bark	1/2	1	1호	2	2호	merchantable	trees
(inches)	log	log	logs	logs	logs	limit	
	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Inches	Number
9	15	24	33			6.8	27
10	19	32	43	53		7.3	۵.
11	24	40	54	67		7.8	31
12	30	50	67	84	99	8.3	
13	36	61	82	102	120	8.9 }	10
14	44	73	99	123	1 <u>4</u> 5	9.5 \	
15	52	87	118	146	172	10.1	16
16	61	102	138	171	202	ال 10.7	
17	82	119	161	199	235	11.4	7
18	94	137	186	230	271	12.0	
19		157	213	263		12.7	2
20		179	242	299	1	13.4	
21			273	338		14.1	1
22 23			306	379]	14.8	
23 24			343 381	424 472		15.5	-
25			422	522	7	16.9	
26			466	575	1	17.6	1
27			512	632	1	18.4	
28			560	693		19.1	-
29			611	757	Ţ	19.9	C.
30			665	824		20.6	3
				0.5		20.0	
Basis in						a de la companya del la companya de la companya del la companya de	
trees	17	27	39	13	2	pai pag	98
number							

1/ Trees measured by J. W. Girard in 2-inch diameter classes and in 10- to 16-foot log lengths, and scaled as such. Table prepared in 1941 by the equation method. Coefficient of multiple correlation (R) is .995. Band of the standard error of estimate, 92.5 to 108.1 percent. Block shows limits of basic data. Statistical assistance furnished by personnol of WPA Official Project No. 65-2-42-296.

The total estimated gross volume of single chestnut oak trees or stands should be corrected for cull (including defect, sweep, crook, shake, etc.) by a percentage reduction. This percentage should be determined locally through observing the cull elements and through experience of sawmill operators as regards losses from rot, shake, etc., in utilizing this species.

